HIP JOINT PROSTHESIS

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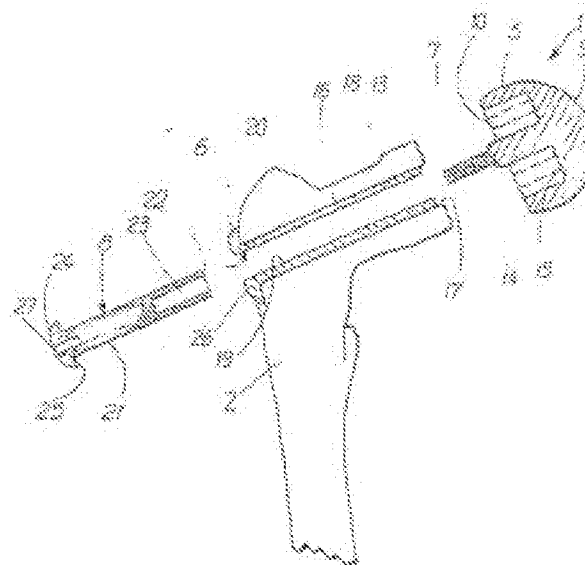
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Hip joint prosthesis for permanent anchoring in the human hip joint, which prosthesis consists of a ball unit (1) designed to be anchored in the neck of a human femur (2) and a socket unit designed to be anchored in the human pelvis. The ball unit comprises a ball (5) with a convex joint surface (9) which essentially has the shape of a partial sphere, and an anchoring arrangement (6, 7, 8) for anchoring the ball in the femur. The ball (5) has a cavity (10) designed to be arranged on the end of the human femoral neck (13), which is shaped for fitting in the cavity, and a shaft (14) extending essentially centrally from the cavity. The anchoring arrangement (6, 7, 8) for the ball comprises a sleeve-shaped anchoring element (6) to be separately implanted in a channel (17) passing through the femoral neck (13). A joining piece connected to the shaft in the form of a tightening device (8) creates, by engaging with the anchoring element, a prestressing of the ball with the shaft introduced into the sleeve-shaped anchoring element. The anchoring arrangement for the socket unit (3) likewise comprises an anchoring element (36) to be separately implanted in the cavity in the pelvis, and a positive lock for securing the socket on the anchoring element in the pelvis.

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